Abhish Korah Abraham

SUMMARY

- **Master's in Information Management** | Frontend Developer | 10+ years of professional experience
- Experienced in Software Development Life Cycles (Agile), developing Responsive Single Page Web applications, and Object-oriented business applications.
- Expertise in building frontend systems using **JavaScript**, **ReactJS, Redux** and **bootstrap**.
- Hands on experience using templating libraries like **HandlebarsJS** to build UI components.
- Hands on experience in building single page applications (SPA) using JavaScript frameworks like **React** and **SPARTA** with performance considerations using caching mechanisms through npm libraries like **reselect** and **redux-persists**.
- Expertise in building **responsive** web applications.
- Good understanding of closures, function scopes (lexical, global), Prototypal inheritance, pure functions, higher order functions, function currying, partial applications, and new ECMAScript features (es6 & above) like array destructuring, object destructuring, map, filter, reduce, async/await, classes
- Good understanding of state management frameworks like **Redux** and Flux and its underlying immutability concepts.
- Familiarity with **React Hooks** (useState, useEffect, useReducer, useCallback, useMemo) and **context api**.
- Good understanding of state management patterns in React such as **Higher order components** (**HOC**), **Render props and Container pattern.** Familiar with creating **custom Hooks** to replace these patterns.
- Capable of writing unit tests for frontend systems using libraries like **Jest** with knowledge of test-driven development (TDD) approach.
- Proficient in creating styles for React components through CSS in JS approach using **styled-components**.
- Expertise and hands on experience in using debugging tools like chrome developer tools, firebug, Safari web inspector and IE developer tools.
- Experienced in writing cross-browser compatible code.
- Adequate knowledge in performing performance optimizations using techniques like **lazy loading**, **code splitting** and writing immutable code using libraries like **immer**.
- Can perform performance profiling using chrome developer tools.
- Proficient in using transpilers and build management tools like webpack.
- Good understanding of webservices (SOAP, REST, GraphQL) and API's and how to consume them.
- Experienced in testing API's using **Postman** tool with advanced knowledge in creating environment variables and configuring **auth-bearer** tokens.
- Good knowledge in writing server-side code in NodeJS and creating **Express** server and exposing REST API endpoints.
- Familiar using
- Good understanding of relational and non-relational databases like Microsoft SQL server, firebase, & MongoDB.
- Good knowledge in designing and creating database schema using **mongoose** API.
- Experienced in using version control tools like **GIT**, **TFS**, **SVN** and **bitbucket.**
- Experienced in working in an Agile/SCRUM methodology and Service oriented architectures (SOA).
- Well versed in performing UX research, market research, user testing, A/B testing, cognitive walkthroughs and creating prototypes
- Contributed to all levels of the user experience and in all phases of the product development lifecycle, from defining a product's overall architecture and structure, to iterating, specifying, and polishing the interaction details for specific features.
- Continuous learner, love solving problems and try to keep a cheerful outlook in the most challenging situations.

Contact

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TECHNICAL SKILLS

Web Technologies	HTML5, XML, XHTML, CSS3, ES6+, jQuery, Bootstrap 4.0

Styling libraries, pre-processors, templating engines	SCSS, SASS, LESS, Material UI, Kendo UI, Ant-D, Handlebars JS
IDE & Tools	Visual Studio Code, Notepad++, Visual Studio
Version Control	GIT, TFS, SVN, Bitbucket
JavaScript Libraries	ReactJS, Redux, React-Router, reselect, react-persists, SPARTA, Node, Bootstrap, JQuery
Publishing Tools	SPARTA Web tools, Heroku
Debugging Tools	Firebug, Chrome Dev Tools, Web Inspector, IE Dev Tools.
Backend technologies	C#, Node
Data Base	Microsoft SQL server, firebase, MongoDB
Operating Systems	Mac OS, Windows XP/7/8,10, UNIX & LINUX
Agile tools	Jira, TFS, Rally

EXPERIENCE

Genesis10, Charlotte, NC, USA   **06/2019 – 05/2020**
UI developer
- Worked for the client **Bank of America** within the Consumer Sales & Lending team.
- Helped develop 2 single page applications using the SPARTA JavaScript framework which follows the module design pattern.
- Designed and developed UI routing feature.
- Developed and designed several modules using handlebars templating for the UI while using life cycle methods to develop several custom event handlers and perform data (arrays and JSON objects) manipulations.
- Developed responsive pages using media queries, flexbox, BEM & SCSS.
- Developed pages to adhere to ADA (accessibility) standards.
- Developed the framework to integrate custom validation functionality on handlebar templates.
- Developed several reusable utility functions, custom validations, and custom handlebar helpers.
- Implemented caching feature to improve application performance.
- Extensively used chrome developer tools for debugging purposes.

Environment: Agile, SPARTA, JavaScript, es6, SCSS, Handlebars, Visual Studio Code, GIT, Bitbucket, JIRA, rally, Windows

Business Intelligence Group, Urbana-Champaign, Illinois Area   **09/2018 -12/2018**
Senior Consultant
- Performed market research into attribution models and attribution modeling best practices that revealed key parameters to consider when short listing vendors to develop the attribution model for my client.
- Helped my team create, distribute, and manage tasks by recommending and guiding with the usage of tools like Trello and Slack.

Environment: Trello, PowerPoint, Slack, WordPress, windows

CEB, now Gartner, Urbana-Champaign, Illinois Area   **04/2018 – 08/2018**
UI Intern
- Developed a React application that helped administrators in my company visualize the relationship between different columns of data stored within an Elasticsearch cluster.
- Developed the framework of Rest API's to perform CRUD operations on data stored in Elasticsearch clusters.
- Developed 3-layer force-node graph using d3 library (by following UX specifications).
- Developed custom events to make the nodes interactive.

Environment: Java Spring MVC, Apache Tomcat server, Elasticsearch server, React, d3.js, webpack, TFS, windows

Business Intelligence Group (BIG), Urbana-Champaign, Illinois Area   **01/2018 – 03/2018**
UI/Senior Consultant
- Conducted user study, best practice research, cognitive walkthrough, competitive research and created surveys to analyze and redesign the user experience of the client's intranet portal.
- Created wireframes using PowerPoint to provide final redesigns.

- Reduced the time required by users to reach frequently visited paths by 50%.

Environment: Trello, PowerPoint, Slack, WordPress, windows

Fiserv, Bengaluru, India   **08/2012 – 07/2017**
UI developer
- Developed the Home page of the online banking application using the new designs provided by UX team.
- Modified and cleaned CSS styles to reduce the build size by 20%.
- Helped redesign MVC UI (most recent version of the frontend of the banking application at the time) to be responsive across multiple devices and browsers.
- Developed POC's that helped the UX team make UX decisions.
- Modified Kendo library to make Kendo controls responsive.
- Worked in production support/enhancement project and fixed several production defects by recreating client build environments on local VM.

Environment: Agile, C# .Net MVC, JavaScript, jQuery, HTML5, CSS3, TFS, SVN, Visual Studio, MSSQL server, VM, windows

Infosys, Bengaluru, India   **09/2008 – 08/2012**
Systems Engineer
- Developed a seismic data processing format called Voxelgeo using .net framework, which converts seismic data into a format that Petrel (3D rendering tool) can render.
- Created a batch job in C++ to convert the seismic binary data into Voxelgeo format.
- Developed a reusable menu that had horizontal orientation.
- Developed a cache, session and state management framework that worked for both web and windows using .net framework.
- Developed a reusable Windows service whose functionality could be defined via plugins.
- Developed 60+ SSRS reports.

Environment: C#, MSSQL server, JavaScript, HTML, CSS, SVN, TFS, C++, Windows, Linux

Personal/College Projects, Urbana-Champaign, IL,   **08/2018 – till date**
- React/Redux portfolio apps (follow links to Git repo):
  - Ecommerce app
  - Expensify app
  - Indecision app
  - Account summary widget
  - bookaholic
- Node portfolio apps:
  - Weather app
- Performed product conceptualization, design and prototype creation for an entrepreneurial project during my Master's with a team and came up with a new business idea to connect home cooks to foodies called eat'in.

Environment: React, Redux, Node, Jest, webpack, GIT, Heroku, SCSS, Firebase

Education

University of Illinois at Urbana (**GPA 3.73**)
Master's degree, Information Management (2017 - 2018)
Champaign, IL, USA

M S Rammiah Institute of Technology (Visveswaraiah Technological University)
Bachelor's degree, Mechanical Engineering (2004 - 2008)
Bangalore, India

Certifications

- Udemy – A Complete React Web Developer Course (w/ Hooks and Redux)
- LinkedIn Learning – Learning ECMAScript 6
- Udemy - The Complete Node.js Developer Course (3rd Edition)

Awards:
- Living Proof (Fiserv)
- Shining Star (Fiserv)